



PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <small>(file as many sheets as necessary)</small>		<b>Complete if Known</b>	
		Application Number	10796.195
		Filing Date	03/10/2004
		First Named Inventor	Kato, et al.
		Art Unit	TBD
		Examiner Name	TBD
Sheet 1 of 1	Attorney Docket Number	520.30414C56	

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KSO		US- 5,538,128	7/16/1996	Shimoyashiro, et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
		Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)				
KSO		JP 64-036042	2/7/1989	Kokusai Electric Co., Ltd.		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	
KSO		S. Nakagawa, "Dry Etching", Drafts in Symposium of VLSI and FA Technology, April 1985, pages 1-14		
KSO		N. Nagai, "Parallel-Implantation Ion Implantation Device "NH-20SP", Special Issue/Semiconductor Manufacturing Device of Half-Micron Age, pages 1-12, 3/1990		

Examiner Signature	KSO Malley	Date Considered	9/23/04
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  
<sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> Applicant is to place a check mark here if English language Translation is attached.  
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# FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation/ Abstract	
						Yes	No
KSE	02-065252	3/5/1990	Japan			X	
	02-178946	7/11/1990	Japan			X	
	62-216315	9/22/1987	Japan			X	
	63-153270	6/25/1998	Japan			X	

OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER	KSO Malley	DATE CONSIDERED	9/23/04
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FORM PTO-1449 U.S. Department of Commerce  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

520,30414C56

APPLICATION NO.

TBD

APPLICANT

KATO, et al.

FILING DATE

March 10, 2004

EXPECTED GROUP

3749

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
KSO	3	6	5	2	4	4	4	2-72	Lester, et al.			
	3	9	8	1	7	9	1	9-76	Rosvold			
	4	2	2	6	8	9	7	10-80	Coleman			
	4	3	1	1	4	2	7	1-82	Coad, et al.			
	4	3	1	3	8	1	5	2-82	Graves, Jr. et al.			
	4	4	4	9	8	8	5	5-84	Hertel, et al.			
	4	4	5	7	6	6	1	7-84	Filnt, et al.			
	4	5	3	4	3	1	4	8-85	Ackley			
	4	5	6	3	2	4	0	1-86	Shibata, et al.			
	4	6	3	4	3	3	1	1-87	Hertel			
	4	7	0	5	9	5	1	11-87	Layman, et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCL ASS	TRANSLATION	
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KSO	6	2	8	9	8	8	1	4-87	Japan			X	
	6	2	2	0	7	8	6	9-87	Japan			X	
		1	3	1	9	7	0	2-89	Japan			X	
		1	3	1	9	7	1	2-89	Japan			X	
		6	3	6	5	8	2	1-89	Japan			X	
	1	1	3	5	0	1	5	5-89	Japan			X	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

KSO	R.P.H. Chang, "Multipurpose plasma reactor for materials research and processing", J. Vac. Sci. Technol., Vol. 14, No. 1, Jan/Feb. 1977, pages 278-280.
	Semiconductor Equipment Association of Japan, "Terminological Dictionary of Semiconductor Equipment", front, table, page 183, back, Nov. 20, 1987.
	Semiconductor Equipment Association of Japan, "Semiconductor News", Vol. 4, pp. 38-43, April 10, 1987 (w/ translation).

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ATTY. DOCKET NO.

503.30414C56

APPLICATION NO.

TBD

APPLICANT  
KATO, et al.

FILING DATE  
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3749

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
KSO	4 7 1 5 7 6 4	12-87	Hutchinson			
	4 8 5 1 1 0 1	7-89	Hutchinson			
	4 8 3 6 7 3 3	6-89	Hertel, et al.			
	4 8 3 6 9 0 5	6-89	Davis, et al.			
	4 8 9 5 1 0 7	1-90	Yano, et al.			
	4 9 0 2 9 3 4	2-90	Miyamura, et al.			
	4 9 0 3 9 3 7	2-90	Jakuniec, et al.			
	4 9 0 9 6 9 5	3-90	Hurwitt, et al.			
	4 9 1 1 5 9 7	3-90	Maydan, et al.			
	4 9 1 5 5 6 4	4-90	Error, et al.			
	4 9 1 7 5 5 6	4-90	Stark, et al.			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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KSO	2 6 5 2 5 2	3-90	Japan		X
	6 4 1 2 0 3 7	1-89	Japan		X
	2 6 1 0 6 4	3-90	Japan		X
	1 3 1 0 5 5 3	12-89	Japan		X
	1 2 5 1 7 3 4	10-89	Japan		X
	6 2 4 4 5 7 1	2-87	Japan		X

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KATO, et al

Filed: 03/10/04

**EXPECTED GROUP**  
**8749**

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EXAMINER W.D. Malley

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EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
JSD	4	9	2	4	8	9	0	5-80	Ellen, et al.	134	902		
	4	9	3	6	3	2	9	6-80	Michael, et al.	134	902		
	5	0	1	4	2	1	7	5-81	Savage	364	650		
	5	0	0	7	8	8	1	4-81	Kawasaki, et al.				
	4	1	3	8	3	0	6	2-79	Niwa	159	345		
	4	5	7	6	6	8	8	3-88	Gallagher, et al.	204	192		
	5	0	1	4	2	1	7	5-81	Savage	364	498		
	5	3	5	1	4	1	5	10-84	Brooks, et al.	34	389		
	4	6	4	3	6	2	8	2-87	Takahashi, et al.	414	331		
	4	8	2	4	3	0	8	4-89	Kakehl, et al.	414	217		
	4	8	5	1	6	0	1	8-90	Hayden, et al.	414	217X		

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION	
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KSO	2	0	3	8	1	3	3	8	5-80	Europe				
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		4	3	0	5	4	8	4-82	Japan					
	8	7	0	7	3	0	9	5-87	PCT Int'l Appl.					
		2	9	4	6	4	7	4-80	Japan					
	6	0	2	4	6	6	3	5	12-85	Japan				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

EXAMINER

KSO Malley

DATE CONSIDERED

9/25/04

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ATTY. DOCKET NO.

520.30414C56

APPLICATION NO.

TBD

APPLICANT

KATO, et al.

Filed:

03/10/04

EXPECTED GROUP

3749

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
KSP	5 0 0 7 9 8 1	4-81	Kawasaki, et al.			
	5 2 9 2 3 8 3	3-84	Maydan, et al.			
	5 4 5 2 1 6 6	8-85	Aytlwin, et al.			
	5 5 0 4 0 3 3	4-86	Bajor, et al.			
	5 5 0 4 3 4 7	4-86	Jovanovic, et al.			
	5 5 5 6 7 1 4	8-86	Fukuyama, et al.			
	5 6 5 1 8 5 6	7-87	Un			
	5 6 7 6 4 6 1	10-87	Aytlwin, et al.			
	4 3 1 3 7 6 3	2-82	Davies, et al.			
	4 3 1 8 7 6 7	3-82	Rijikata, et al.			
	4 8 6 8 7 9 0	11-80	Petz, et al.			

**FOREIGN PATENT DOCUMENTS**

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
KSP	6 2 5 0 4 6 3	3-87	Japan			X
	2 1 0 6 0 3 7	4-80	Japan			X
	5 7 2 9 6 7 7	2-82	Japan			X
	6 3 1 5 3 2 7 0	6-88	Japan		X	

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 620.30415C56	SERIAL NO. TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)		APPLICANT KATO, et al.	
		Filed: 03/10/04	GROUP 3749

**U.S. PATENT DOCUMENTS**

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	AA					
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**FOREIGN PATENT DOCUMENTS \***

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation / Abstract	
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**OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)**

205	AU	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)
1	AV	JP patent No. 3147230, Notice of Reasons for Revocation 12-18-01 (TR)
	AW	
	AX	
	AY	
	AZ	
Examiner B. J. Mollen		Date Considered 9/23/04

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		APPLICANT KATO, et al.	
		Filed: 03/10/04	GROUP 3749

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS \*

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation / Abstract
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	AS					
	AT					

OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

KS	AU	KR application No. 46756/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
	AV	KR application No. 212874, 12-22-00, Notice of Decision on Opposition to the Granted Patent
	AW	KR application No. 46757/98, Preliminary Notice of Ground(s) for Rejection 1-20-99 (TR)
	AX	KR application No. 212819, 12-22-00, Notice of Decision on Opposition to the Granted Patent (TR)
	AY	JP patent No. 3145359, Notice of Reasons for Revocation 12-18-01 (TR)
	AZ	JP patent No. 3145375, Notice of Reasons for Revocation 12-18-01 (TR)
Examiner K. O'Malley		Date Considered 9/23/04

\* PTR (partial translation) - PTR (full translation) - ABS (abstract)

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OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	AU	EP97111628, Office action 6-2001
<input checked="" type="checkbox"/>	AV	EP98106162, Office action 11-2000
<input checked="" type="checkbox"/>	AW	EP98106162, Office action 6-2001
<input checked="" type="checkbox"/>	AX	KR application No. 14984/91, Preliminary Notice of Ground(s) for Rejection (TR)
<input checked="" type="checkbox"/>	AY	KR application No. 184682-00-00 Notice of Decision on Opposition to the Granted Patent 10-4-2000 (TR)
<input checked="" type="checkbox"/>	AZ	KR application No. 184682, Trial Decision 8-1-00 (TR)
Examiner	Date Considered	
<i>James Malley</i>	9/23/04	

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Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
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OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

<input checked="" type="checkbox"/>	AU	EP91307625, Summons to attend oral proceedings 12-9-99
<input type="checkbox"/>	AV	EP91307625, Communication of a notice of opposition 11-19-98
<input type="checkbox"/>	AW	EP91307625, Interlocutory decision in Opposition proceeding, 5-16-00
<input type="checkbox"/>	AX	EP91307625, Minutes of the oral proceedings, 3-9-00
<input type="checkbox"/>	AY	EP97111628, Office action 12-1999
<input type="checkbox"/>	AZ	EP97111628, Office action 11-2000
Examiner <i>K. D. Mally</i>		Date Considered <i>9/23/04</i>

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 320.30414C56	SERIAL NO. TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		<b>APPLICANT</b> KATO, et al.	
		Filed: 03/10/04	GROUP 3749

**U.S. PATENT DOCUMENTS**

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	AA					
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						Yes	No
	AM						
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**OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)**

<input checked="" type="checkbox"/>	AU	JP application No. 11-001263, Notification of Reasons for Refusal 2-2-00 (TR)
<input checked="" type="checkbox"/>	AV	JP application No. 2000-05449, Notification of Reasons for Refusal 9-6-00 (TR)
<input checked="" type="checkbox"/>	AW	JP application No. 2000-054450, Notification of Reasons for Refusal 9-6-00 (TR)
<input checked="" type="checkbox"/>	AX	JP application No. 2000-054451, Notification of Reasons for Refusal 9-6-00 (TR)
<input checked="" type="checkbox"/>	AY	JP application No. 2000-054452, Notification of Reasons for Refusal 9-6-00 (TR)
<input checked="" type="checkbox"/>	AZ	EP91307625, Office Action 10-11-93
Examiner <i>K. O. Malley</i>		Date Considered <i>9/23/04</i>

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						Yes	No
KS	AM 2-224242	9-6-90	Japan			ABS	
	AN 2-224242	9-6-90	Japan			PTR	
	AO 58-108641	6-28-83	Japan			ABS	
	AP 1-120811	5-12-89	Japan			ABS	
	AQ 61-250185	11-7-86	Japan			ABS	
	AR						
	AS						
	AT						

OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

KS	AU	JP patent No. 2816139, Notice of Reasons for Revocation 11-21-99 (TR)
	AV	Official Decision on Opposition to Grant of Patent 1999-71584 1-12-01 (TR)
	AW	JP application No. 9-329873, Notification of Reasons for Refusal 7-14-98 (TR)
	AX	JP application No. 9-329873, Notification of Reasons for Refusal 11-10-98 (TR)
	AY	JP patent No. 2942527, Notice of Reasons for Revocation 6-27-00 (TR)
	AZ	Decision on Opposition to the Grant of a Patent 2000-70844 1-12-01 (TR)
Examiner	Date Considered	
KS & Malley	9/23/04	

\* PTR (partial translation) PTR (full translation) - ABS (abstract)

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						Yes	No
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	AN 62-132321	6-15-87	Japan			PTR/ABS	
	AO 63-131123	8-26-88	Japan			PTR	
	AP 87/07309	12-3-87	WO				
	AQ 0381338	8-8-90	Europe				
	AR 0246453	11-25-87	Europe				
	AS 2-65252	3-5-90	Japan			PTR	
	AT 1-135015	5-26-89	Japan			ABS	

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AS	AU	JP application No. 2646905, Notice of Reasons for Revocation 7-21-99 (TR)
	AV	Decision for Patent Opposition, Opposition No. 10-70995 (10-99) (TR)
	AW	JP application No. 2-225321, Notification of Reasons for Refusal 10-15-96 (TR)
	AX	JP application No. 8-335329, Interview Record (TR)
	AY	JP application No. 8-335329, Notification of Reasons for Refusal 9-30-97 (TR)
	AZ	JP application No. 8-335329, Notification of Reasons for Refusal 4-7-98 (TR)
Examiner Mallory		Date Considered 9/23/04

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS \*

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
	AM	62-216315	9-22-87	Japan		ABS	
	AN	60-52574	3-25-85	Japan		ABS	
	AO	4-82841	7-20-92	Japan			X
	AP	58-93321	6-3-83	Japan		ABS	
	AQ	3-19252	1-28-91	Japan		ABS	
	AR	2-52449	2-22-90	Japan		PTR/ABS	
	AS	58-95636	6-29-83	Japan			X
	AT	1-316957	12-21-89	Japan		ABS	

OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Semiconductor World, pp. 52-53, 8/91
	AV	European Search Report, 1/92, re 91307625.3
	AW	European Search Report, 4/98, re 97111628.0
	AX	European Search Report, 3/99, re 981061625
	AY	JP application No. 3-234408, Notification of Reasons for Refusal, 1-28-97 (TR)
	AZ	JP application No. 2646905, Notification Reasons for Revocation 12-15-98 (TR)
Examiner K. Malley	Date Considered 8/23/04	

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)



Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO.	SERIAL NO.
		520.30415C56	TBD
		INFORMATION DISCLOSURE STATEMENT BY APPLICANT	
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		Filed: 03/10/04	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

FOREIGN PATENT DOCUMENTS \*

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
	AM 62-44571	2-26-87	Japan			ABS	
	AN 62-56463	3-5-87	Japan			ABS	
	AO 2-106037	4-18-90	Japan			ABS	
	AP 57-29577	2-17-82	Japan			ABS	
	AQ 62-267866	9-12-87	Japan			FTR	
	AR 59-094435	5-31-84	Japan			ABS	
	AS 63-57734	4-18-88	Japan				X
	AT 63-133521	6-6-88	Japan			FTR/ABS	

OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Electronic Parts and Materials, 1989, vol. 28, no. 3, pp. 22-29
	AV	Solid State Technology, 10/90, pp. 35-41
	AW	Solid State Technology, 12/90, pp. 37-47
	AX	Semiconductor World, pp. 106-111, 9/90
	AY	Semiconductor World, pp. 122-125, 9/90
	AZ	Semiconductor World, pp. pp. 110-113, 10/89
Examiner	K20 Malley	
	Date Considered 8/23/04	

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30415C56	SERIAL NO. TbD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT KATO, et al.	
		Filed: 03/10/04	GROUP 3749

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA 4,836,905	6-6-89	Davis, et al.			
	AB 4,923,584	5-8-90	Bramhall, Jr. et al.			
	AC 4,643,629	2-17-87	Takahashi, et al.			
	AD 5,186,718	2-16-93	Tapman, et al.			
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

## FOREIGN PATENT DOCUMENTS \*

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation / Abstract	
						Yes	No
	AM 60-246635	12-6-85	Japan			ABS	
	AN 1-298180	12-1-89	Japan			ABS	
	AO 2-94647	4-3-90	Japan			ABS	
	AP 64-500072	1-12-89	Japan			ABS	
	AQ 2-61064	3-1-90	Japan				X
	AR 1-310553	12-14-89	Japan				X
	AS 1-251734	10-6-89	Japan			ABS	
	AT 63-153270	6-23-88	Japan			ABS	
						FTR	

## OTHER DOCUMENTS \* (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU	Terminological Dictionary of Semiconductor Equipment, Edited by Semiconductor Equipment Association of Japan, Published by Nihkan Kogyo Shimbun sha Inc. (1987) p. 183 (PTR)
	AV	Semicon News, April 1987 (pp. 38-43) (PTR)
	AW	VLSI Processing Equipment handbook, Ph. D. Kazuo Maeda (6-90), pp. 158 (PTR)
	AX	Latest trend of process automation (Realize, Inc.) (1986), pp. 202 and 203
	AY	Semicon News, Semicon/East '84, 12-1984, vol. 13., p. 199
	AZ	"Semiconductor World", 1990/9, Published by Press Journal, Inc., pp. 136-7 (FTR)
Examiner K. O. Malley		Date Considered 9/23/04

\* PTR (partial translation) - FTR (full translation) - ABS (abstract)

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 520.30414C56	SERIAL NO. TBD
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use several sheets if necessary)		APPLICANT KATO, et al.	
		FILING DATE March 10, 2004	EXPECTED GROUP 3749

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclasses	Translation/Abstract	
						Yes	No
KSD	AM	1-170013	6-19-89	Japan		X	
	AN						
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

KSD	AU	Japanese Office Action dated April 16, 2002
	AV	
	AW	
	AX	
	AY	
	AZ	
Examiner	KSD mally	
	Date Considered 9/23/04	